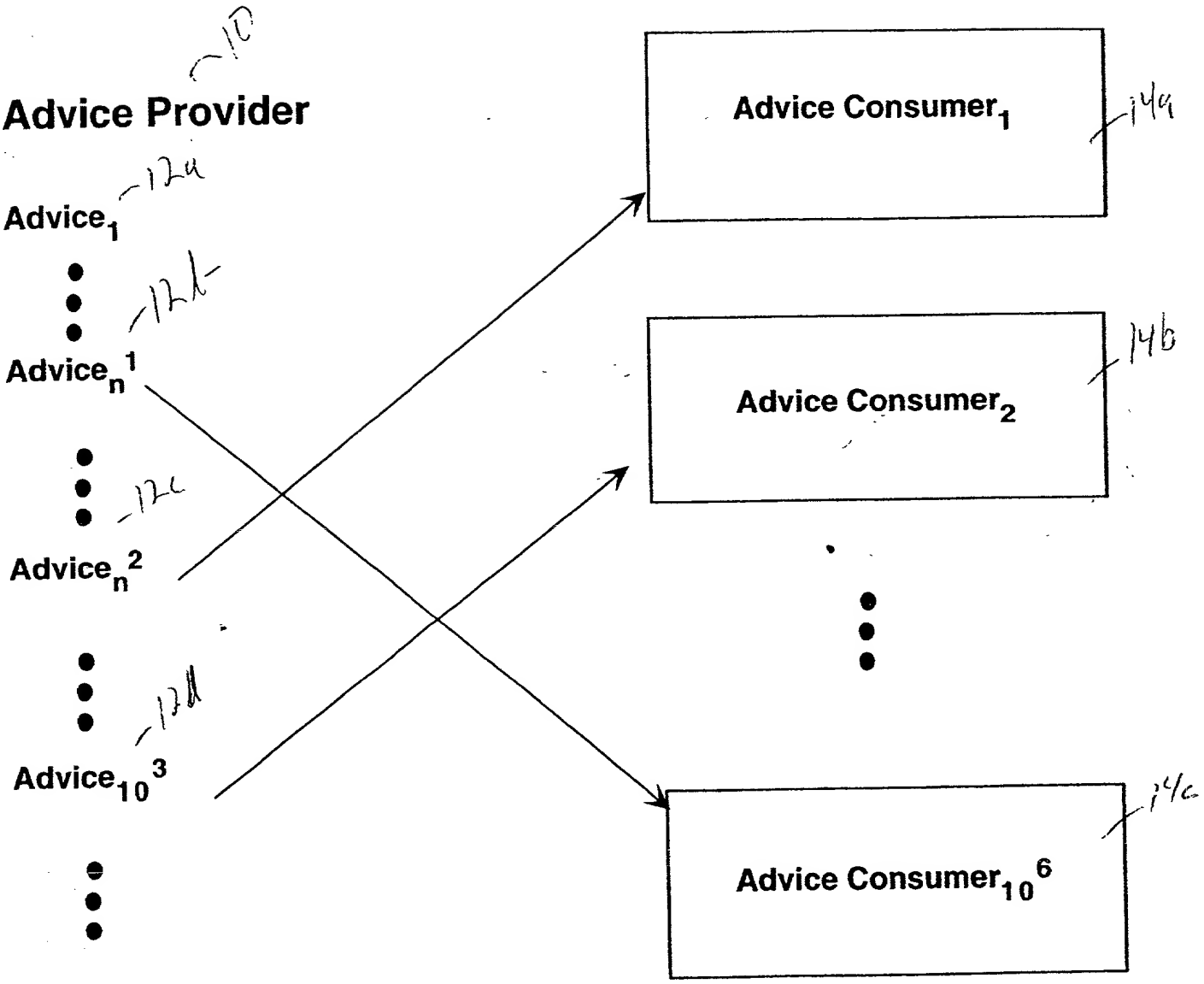

10
Advice Provider
12a
Advice$_1$
12b
Advice$_n^1$
12c
Advice$_n^2$
12d
Advice$_{10}^3$
Advice Consumer$_1$
14a
Advice Consumer$_2$
14b
Advice Consumer$_{10}^6$
14c

Fig 1

PENDING

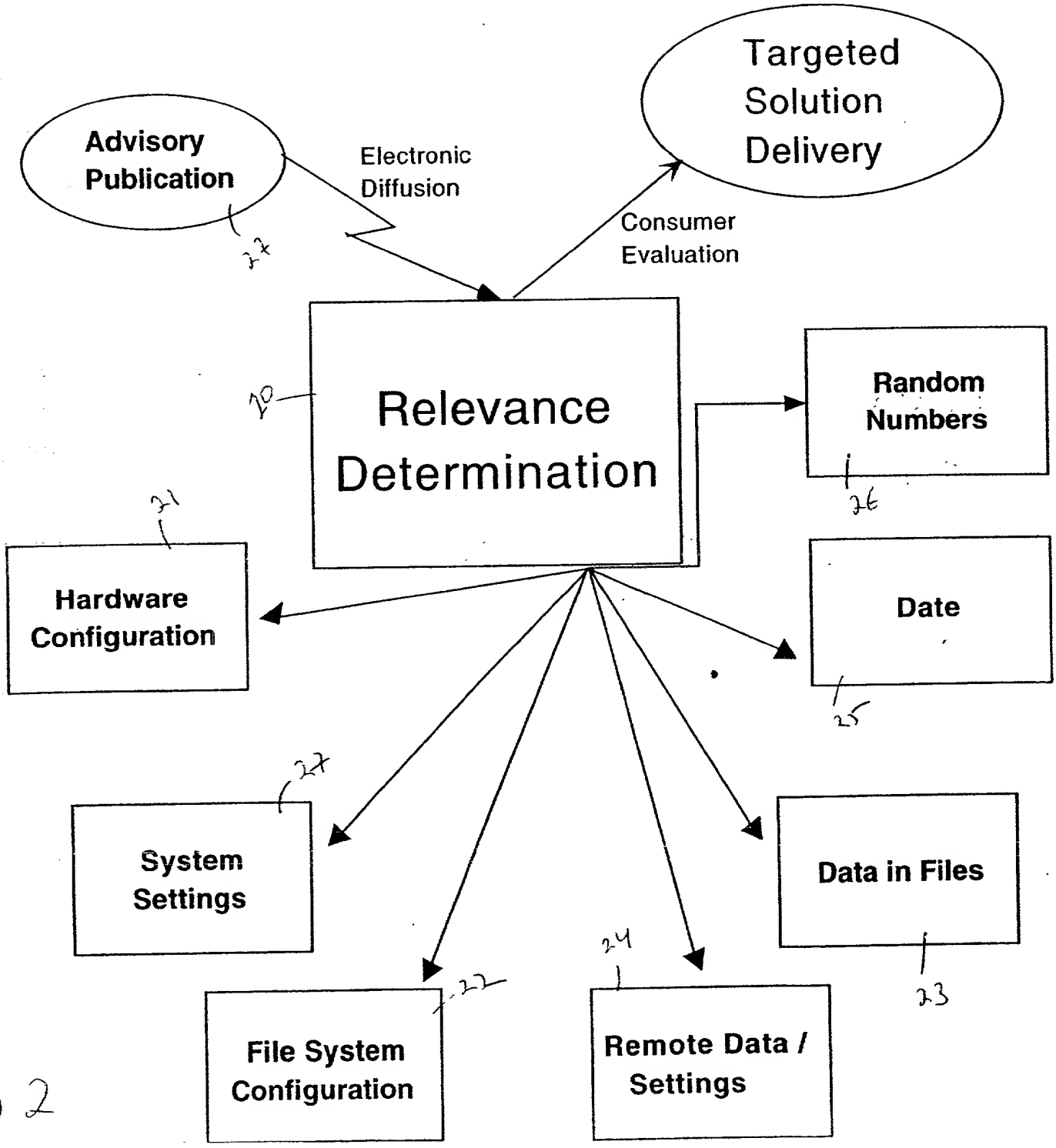


Fig 2

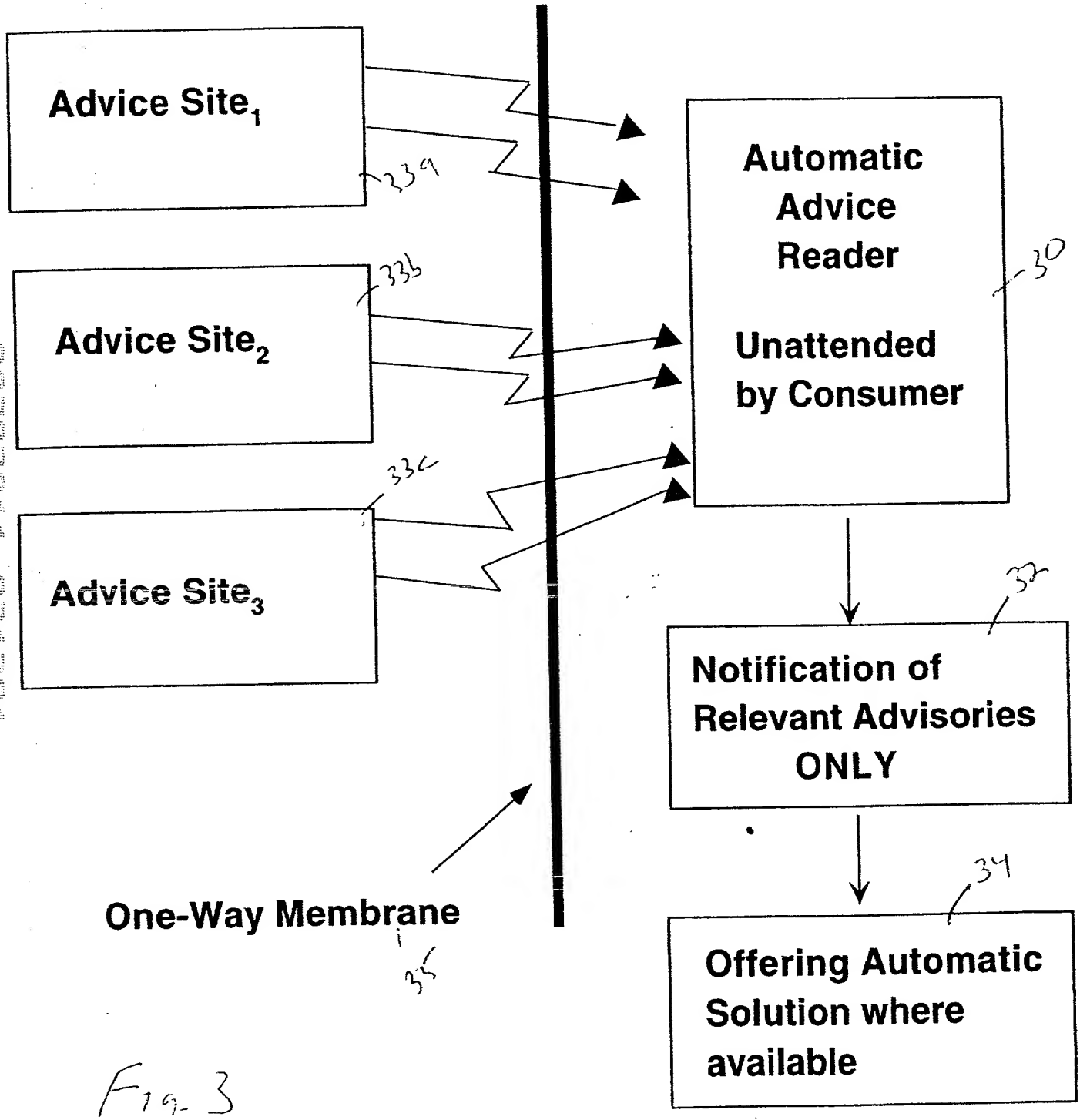

Advice Site$_1$
Advice Site$_2$
Advice Site$_3$
339
336
334
Automatic Advice Reader
Unattended by Consumer
330
Notification of Relevant Advisories ONLY
332
Offering Automatic Solution where available
334
One-Way Membrane
335

Fig. 3

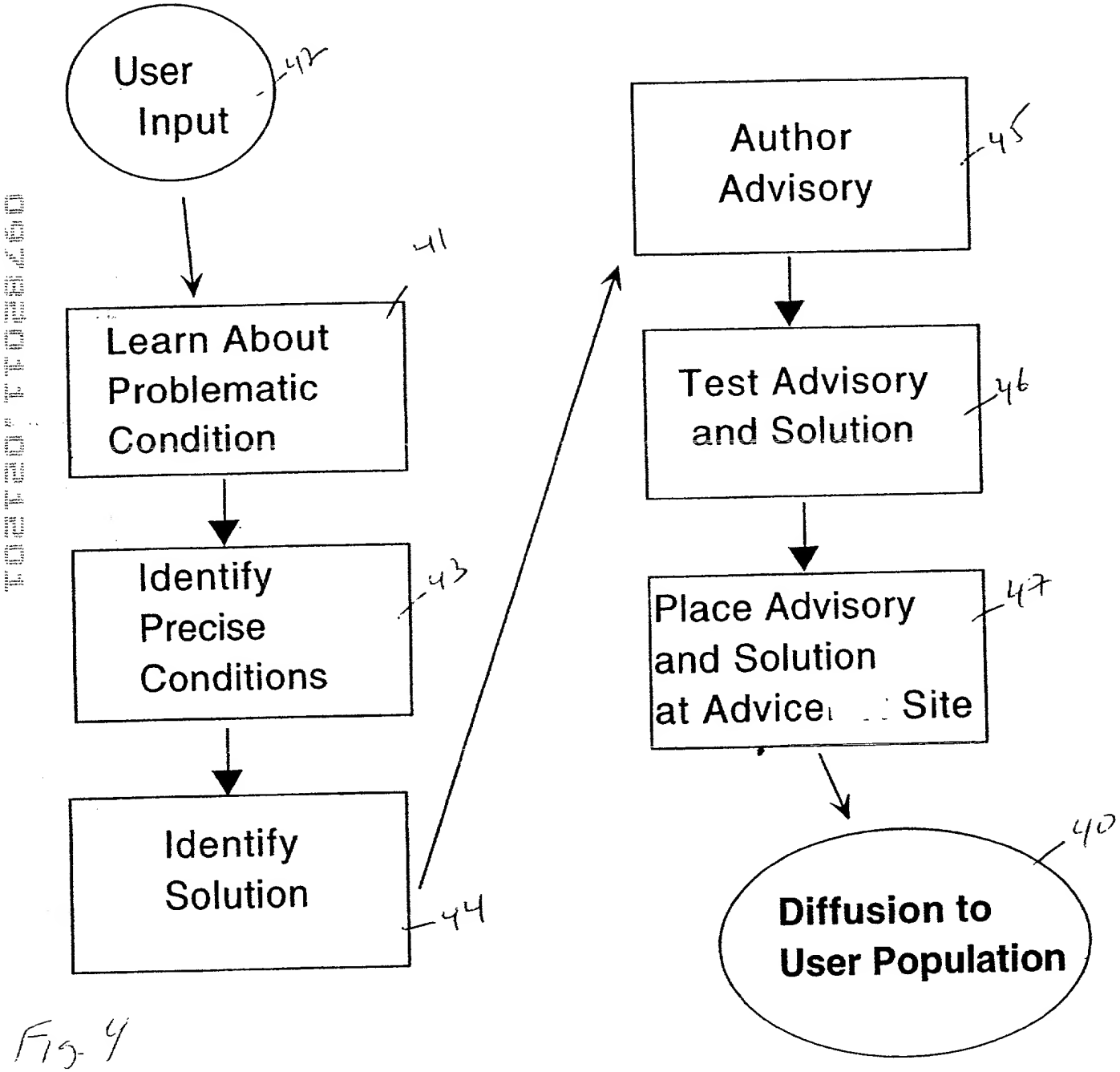

User Input
42
Learn About Problematic Condition
41
Identify Precise Conditions
43
Identify Solution
44
Author Advisory
45
Test Advisory and Solution
46
Place Advisory and Solution at Advice Site
47
Diffusion to User Population
40

Fig. 4

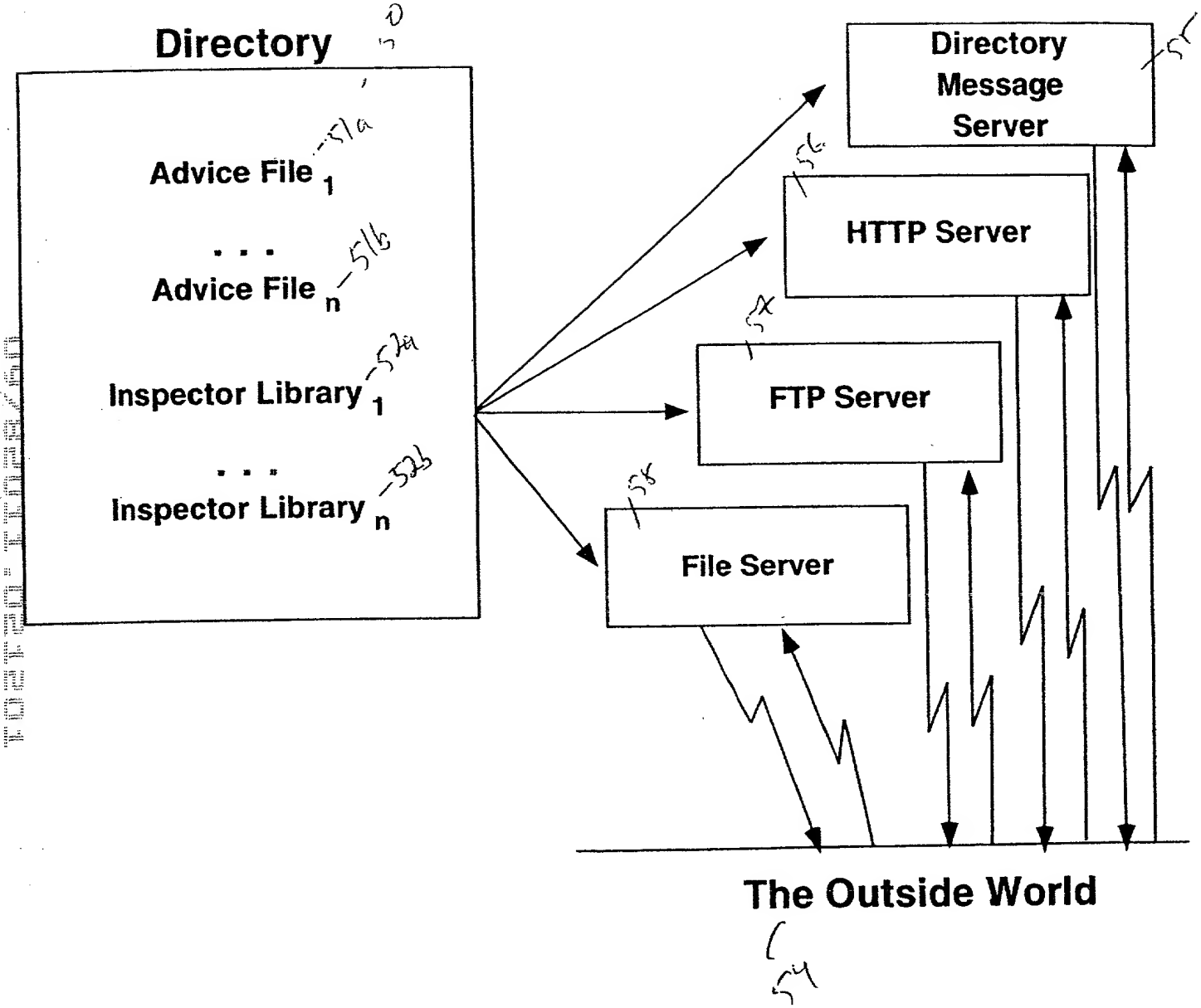

Directory
Advice File 1
. . .
Advice File n
Inspector Library 1
. . .
Inspector Library n
Directory Message Server
HTTP Server
FTP Server
File Server
The Outside World

Fig. 5

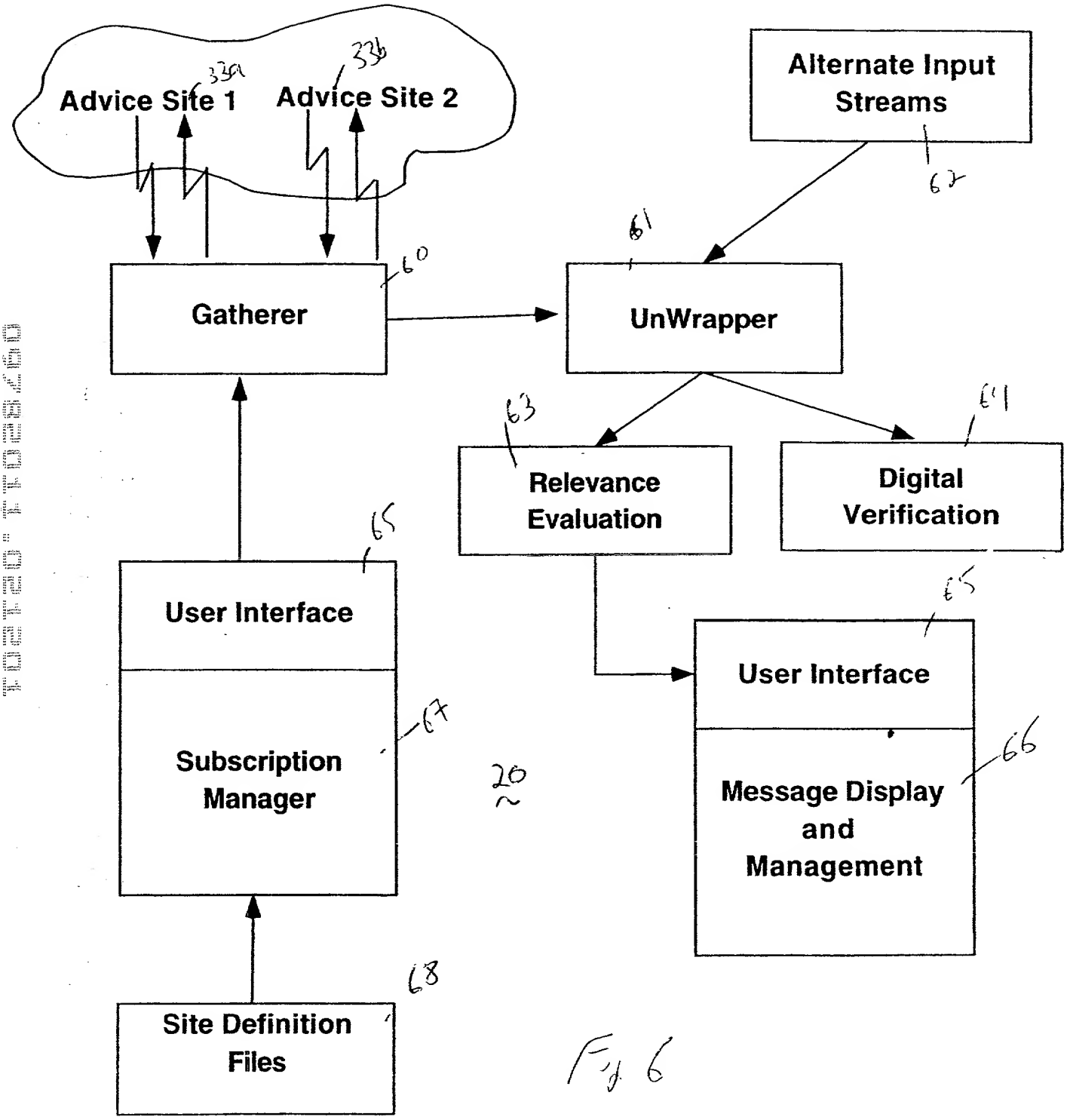

Advice Site 1
Advice Site 2
Alternate Input Streams
Gatherer
UnWrapper
Relevance Evaluation
Digital Verification
User Interface
Subscription Manager
User Interface
Message Display and Management
Site Definition Files
20

Fig 6

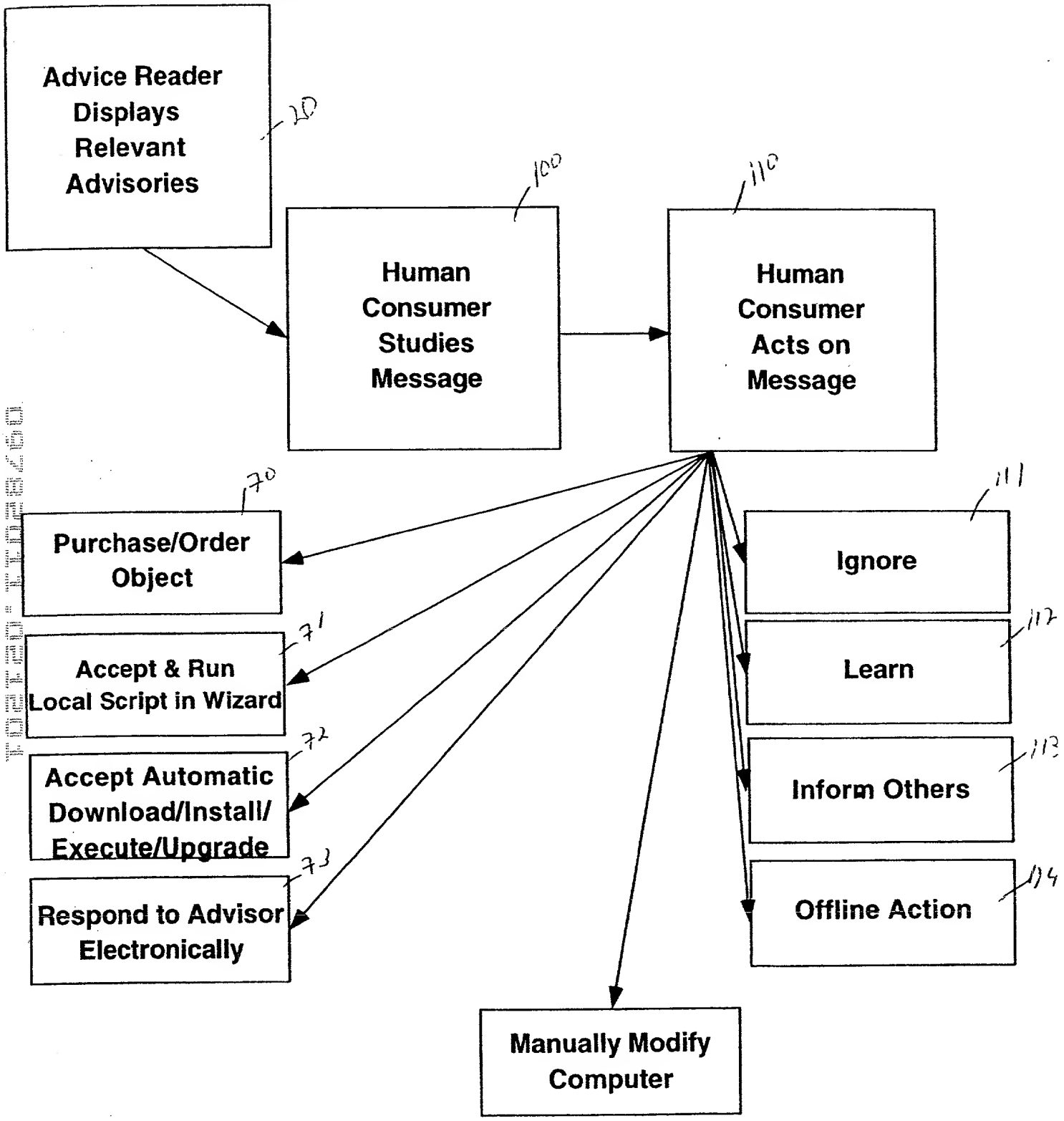

Advice Reader Displays Relevant Advisories
20
Human Consumer Studies Message
100
Human Consumer Acts on Message
110
Purchase/Order Object
70
Accept & Run Local Script in Wizard
71
Accept Automatic Download/Install/ Execute/Upgrade
72
Respond to Advisor Electronically
73
Ignore
111
Learn
112
Inform Others
113
Offline Action
114
Manually Modify Computer

Fig 7

DATE: SAT MAR 21 1998 17:54:06 -0800
FROM: JOE ADVISOR <ja@advisories.com>
MIME-Version 1.0
ORGANIZATION: Universe Communications, Inc.
SUBJECT: You need to upgrade Advice Reader
RELEVANT-WHEN: version of file "Advice.exe"
< 5.0
CONTENT-TYPE: text/html; charset us=ascii

<HTML><BODY>
Click here to <A HREF = "http://advisories.com/a"
download </A> the latest version of Advice Reader.
</BODY></HTML>

SUBJECT LINE -82

RELEVANCE CLAUSE - 80

MESSAGE BODY -81

Fig 8

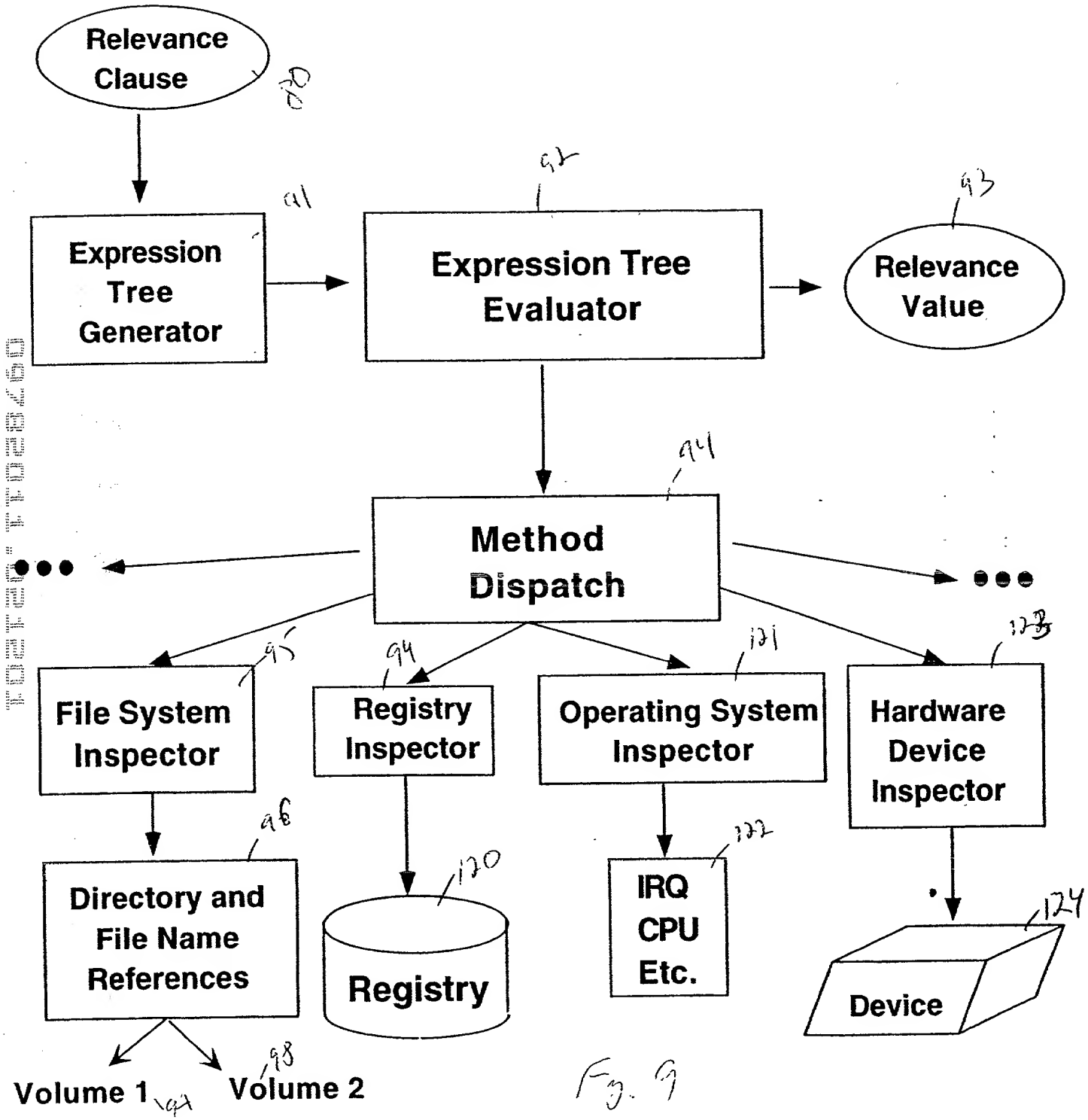

Relevance Clause
90
Expression Tree Generator
91
Expression Tree Evaluator
92
Relevance Value
93
Method Dispatch
94
File System Inspector
95
Registry Inspector
94
Operating System Inspector
121
Hardware Device Inspector
123
Directory and File Name References
96
Registry
120
IRQ CPU Etc.
122
Device
124
Volume 1
97
Volume 2
98

Fig. 9

Expression:

(not exists File 'System' of System Folder) or
(not exists File 'MacTCP DNR' of System Folder)

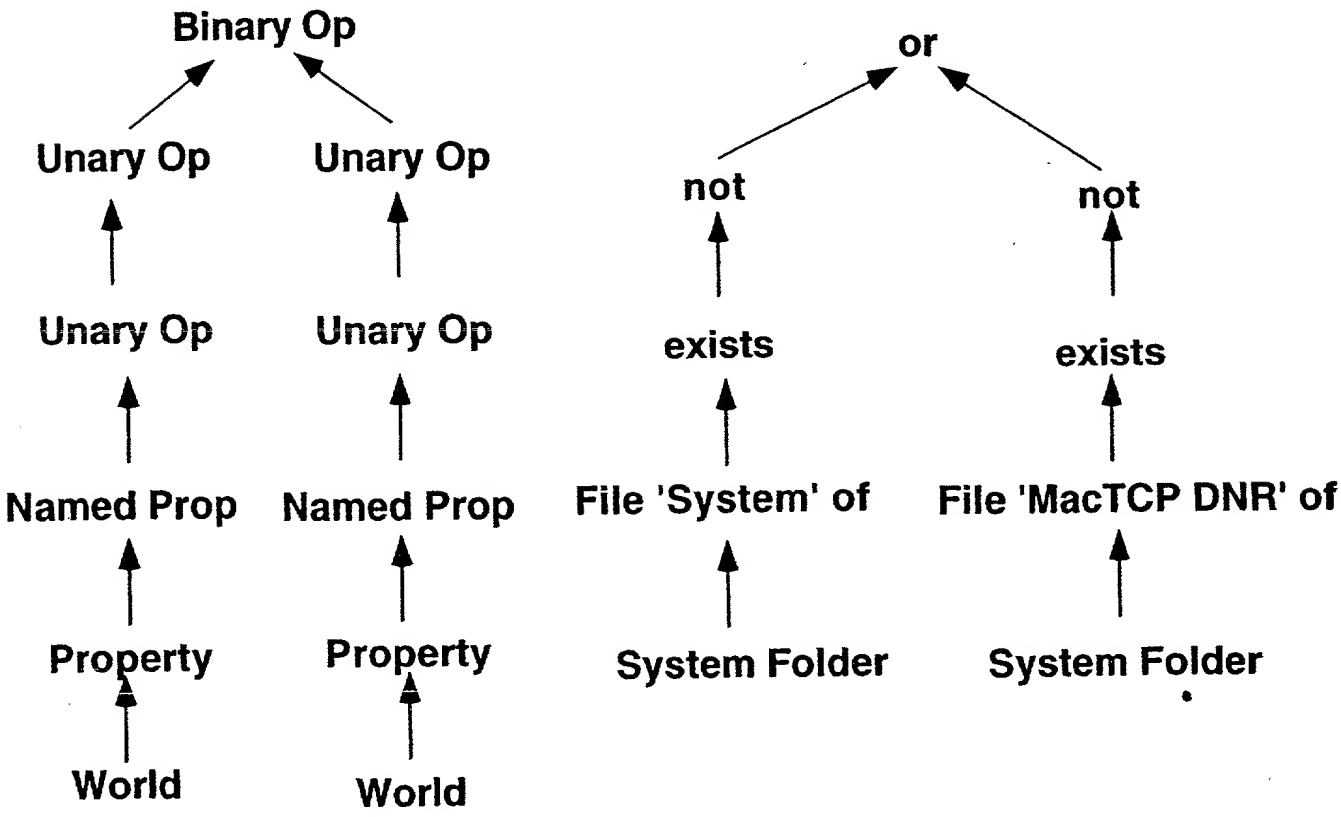


Fig 10

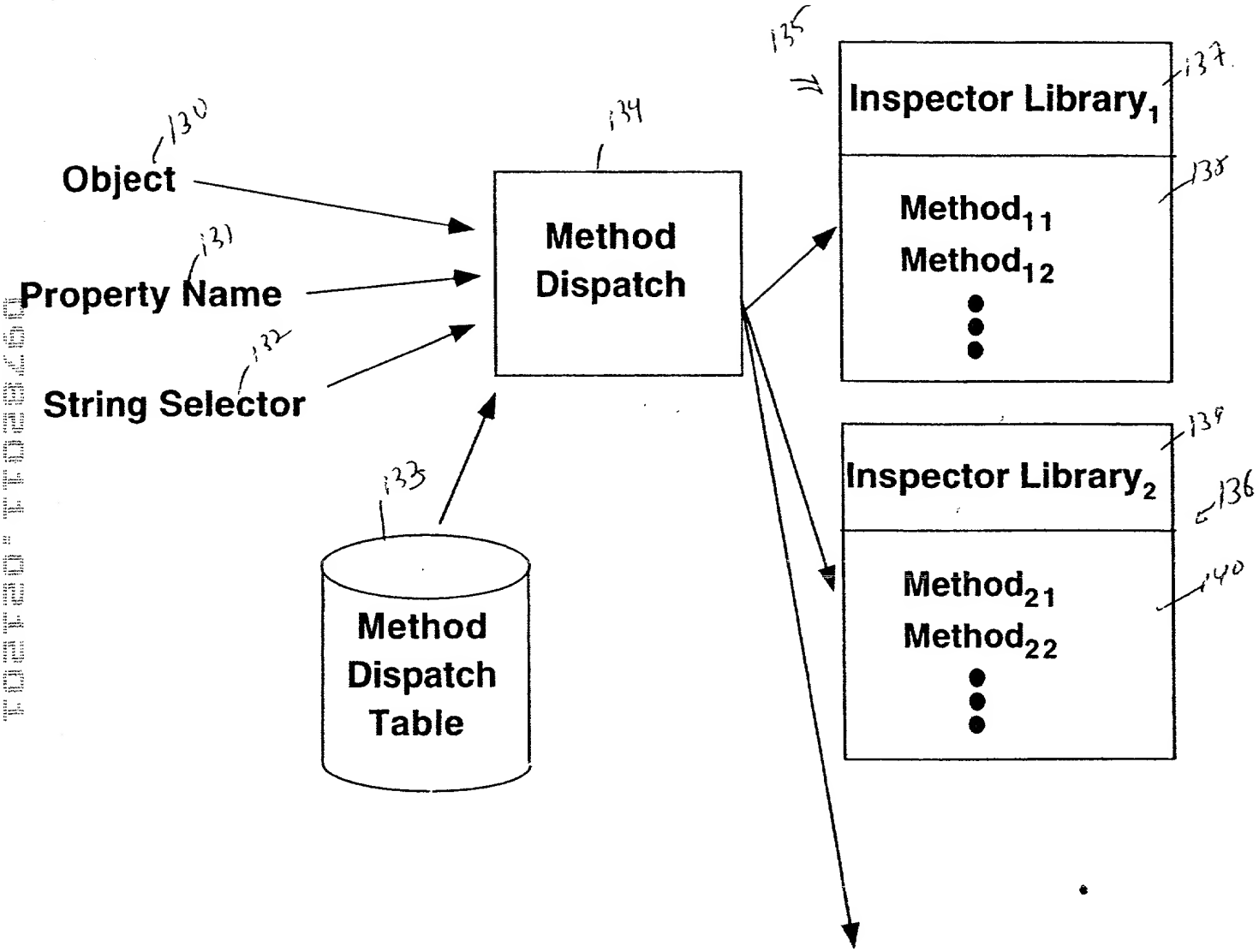

Object
130
Property Name
131
String Selector
132
Method Dispatch Table
133
Method Dispatch
134
135
Inspector Library$_1$
137
Method$_{11}$
Method$_{12}$
138
Inspector Library$_2$
139
136
Method$_{21}$
Method$_{22}$
140

Fig 11

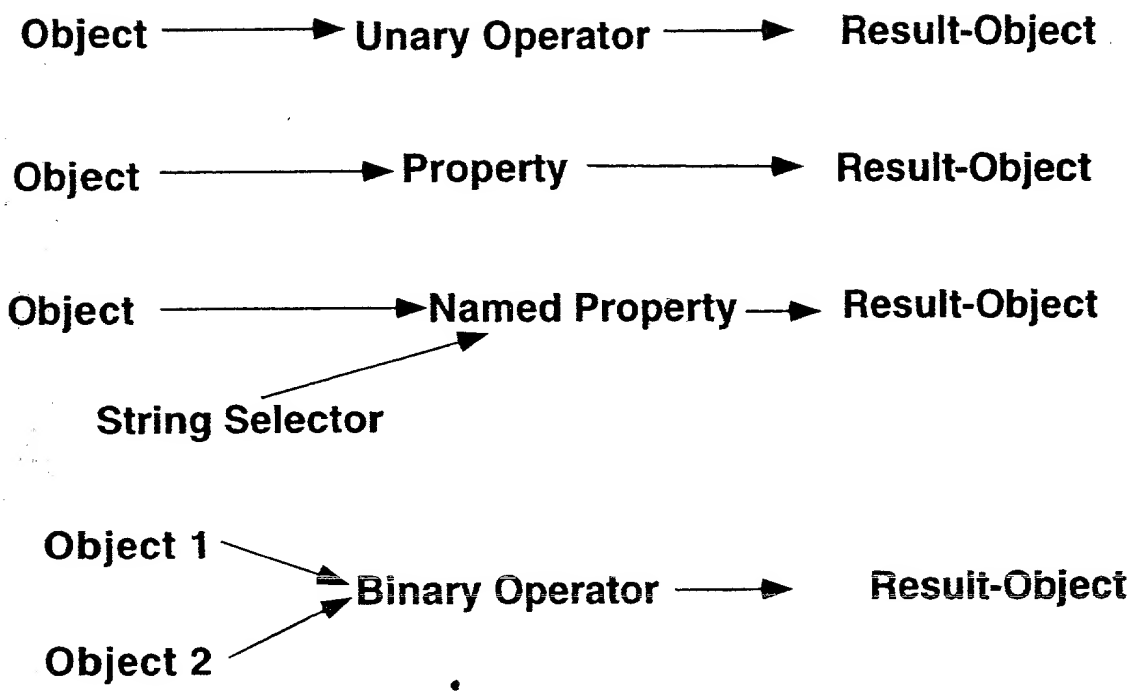
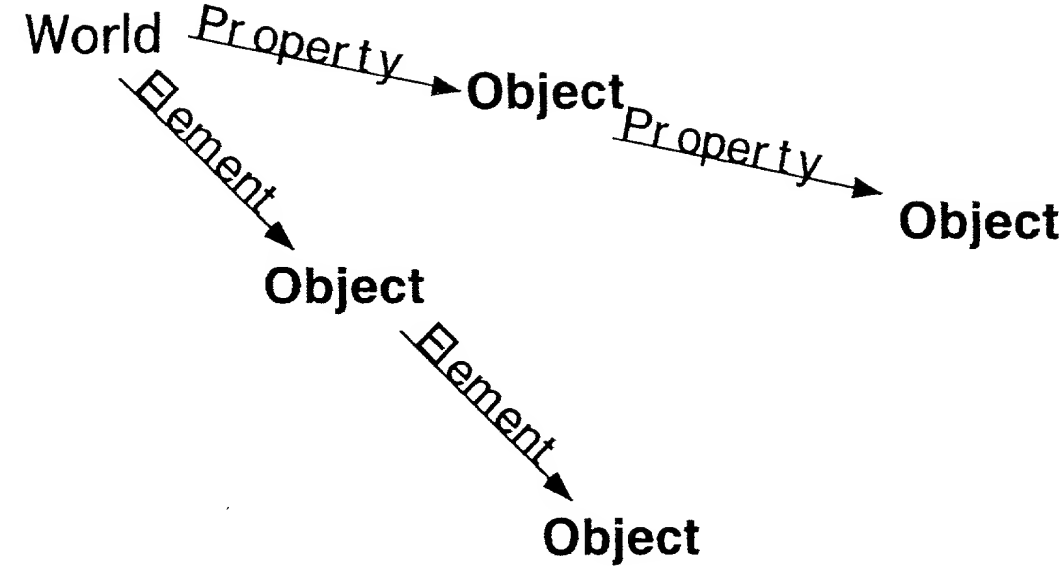

Object
Unary Operator
Result-Object
Object
Property
Result-Object
Object
Named Property
Result-Object
String Selector
Object 1
Binary Operator
Result-Object
Object 2

Fig 12


World
Property
Object
Property
Object
Element
Object
Element
Object

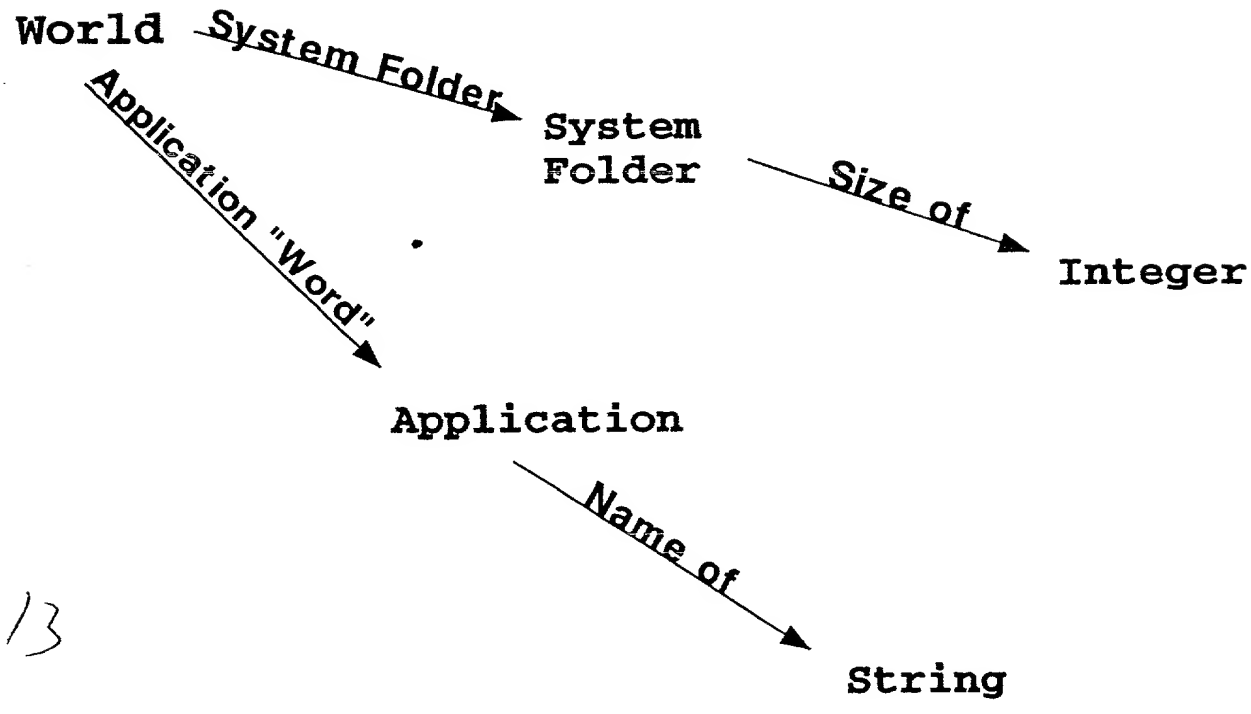

World
System Folder
System Folder
Size of
Integer
Application "Word"
Application
Name of
String

Fig 13

Attorney Docket No. 4100.0010

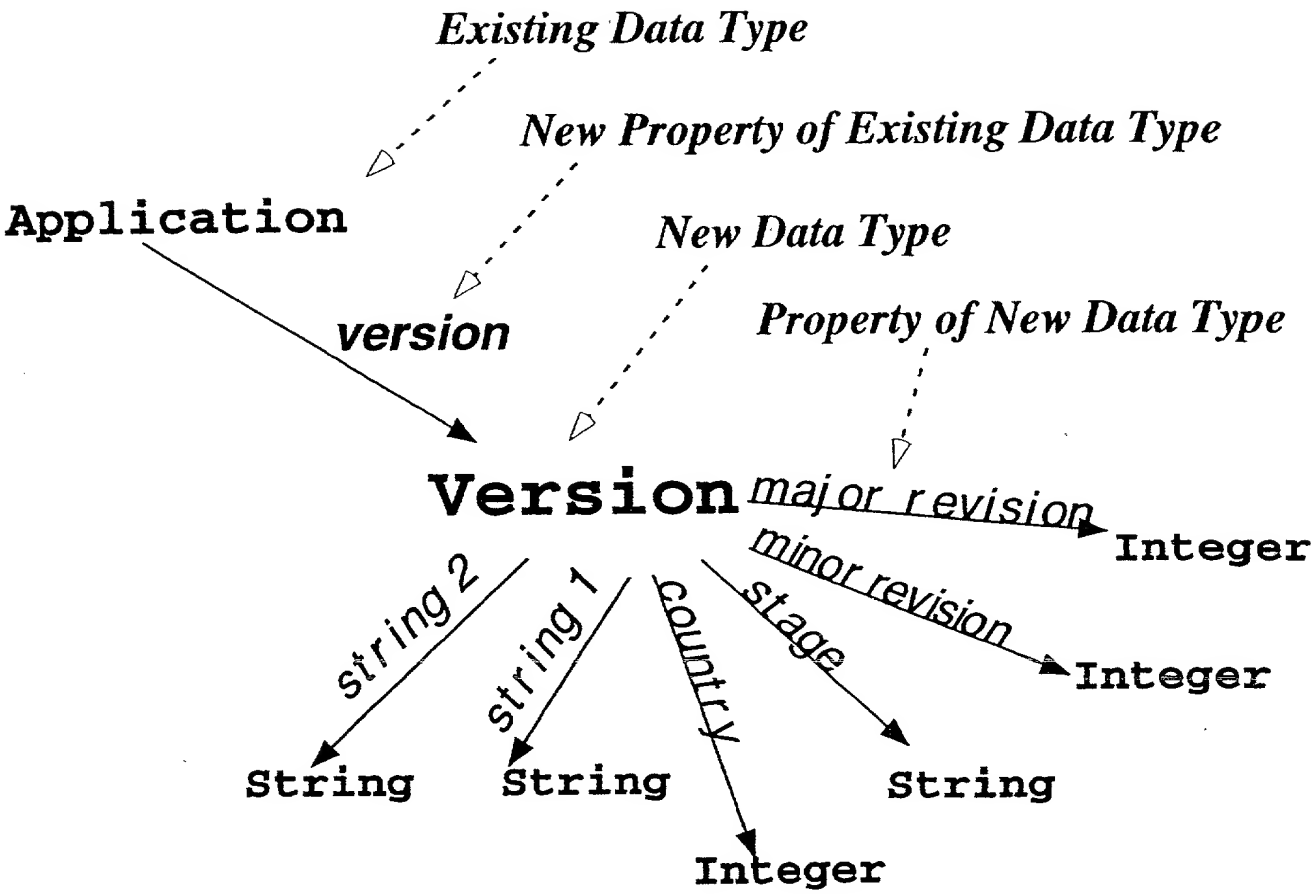


Fig. 14

Adobe Illustrator 6.0

Inspector Library

Macintosh "Version" Inspector

```
(version, "major revision", maj-rev-meth)
(version, "minor revision", min-rev-meth)
(version, "stage", stage-meth)
(version, "country", country-meth)
(version, "string 1", string 1-meth)
(version, "string 2", string 2-meth)
```

Phrase Definitions
Data type associations
Method associations

```
METHOD maj-rev-meth;
METHOD min-rev-meth;
METHOD stage-meth;
METHOD country-meth;
METHOD string 1-meth;
METHOD string 2-meth;
```

Method Definitions

Fig. 15

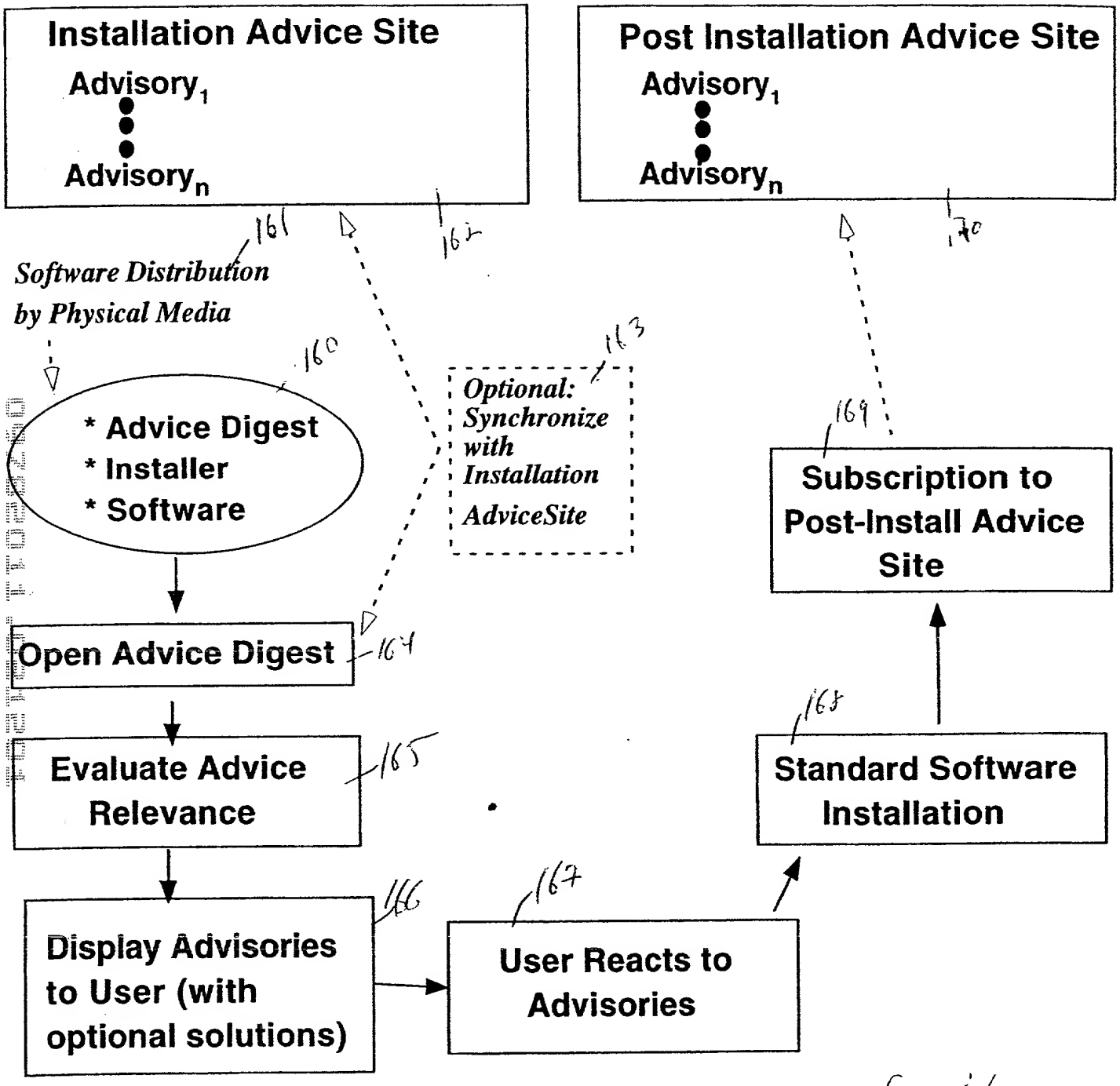

Installation Advice Site
Advisory1
Advisoryn
Post Installation Advice Site
Advisory1
Advisoryn
161
162
170
Software Distribution by Physical Media
160
163
* Advice Digest
* Installer
* Software
Optional: Synchronize with Installation AdviceSite
169
Subscription to Post-Install Advice Site
Open Advice Digest
164
168
Evaluate Advice Relevance
165
Standard Software Installation
166
167
Display Advisories to User (with optional solutions)
User Reacts to Advisories

Fig. 16

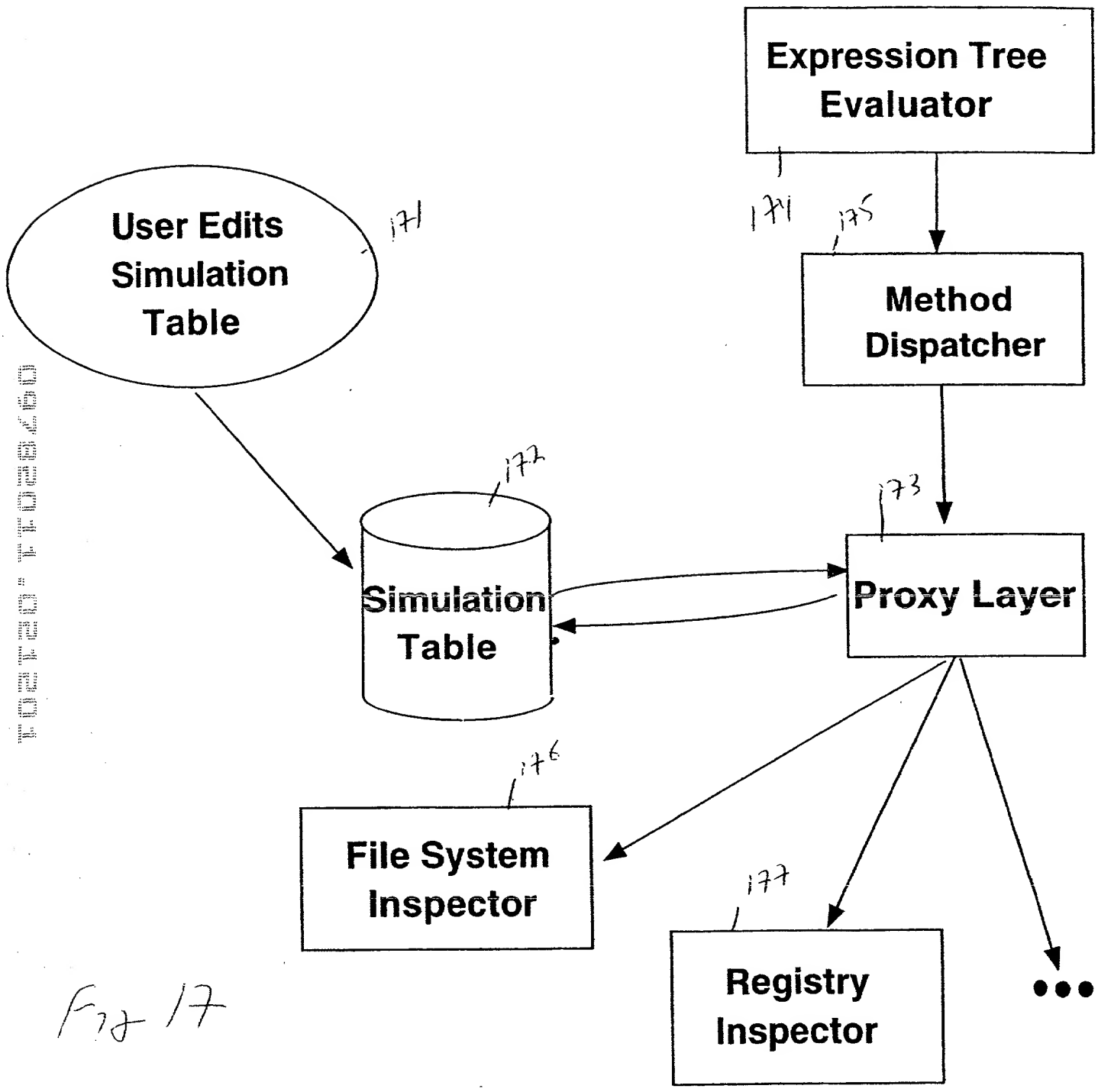


Fig 17

Exhibit 1029, Page 14 of 39

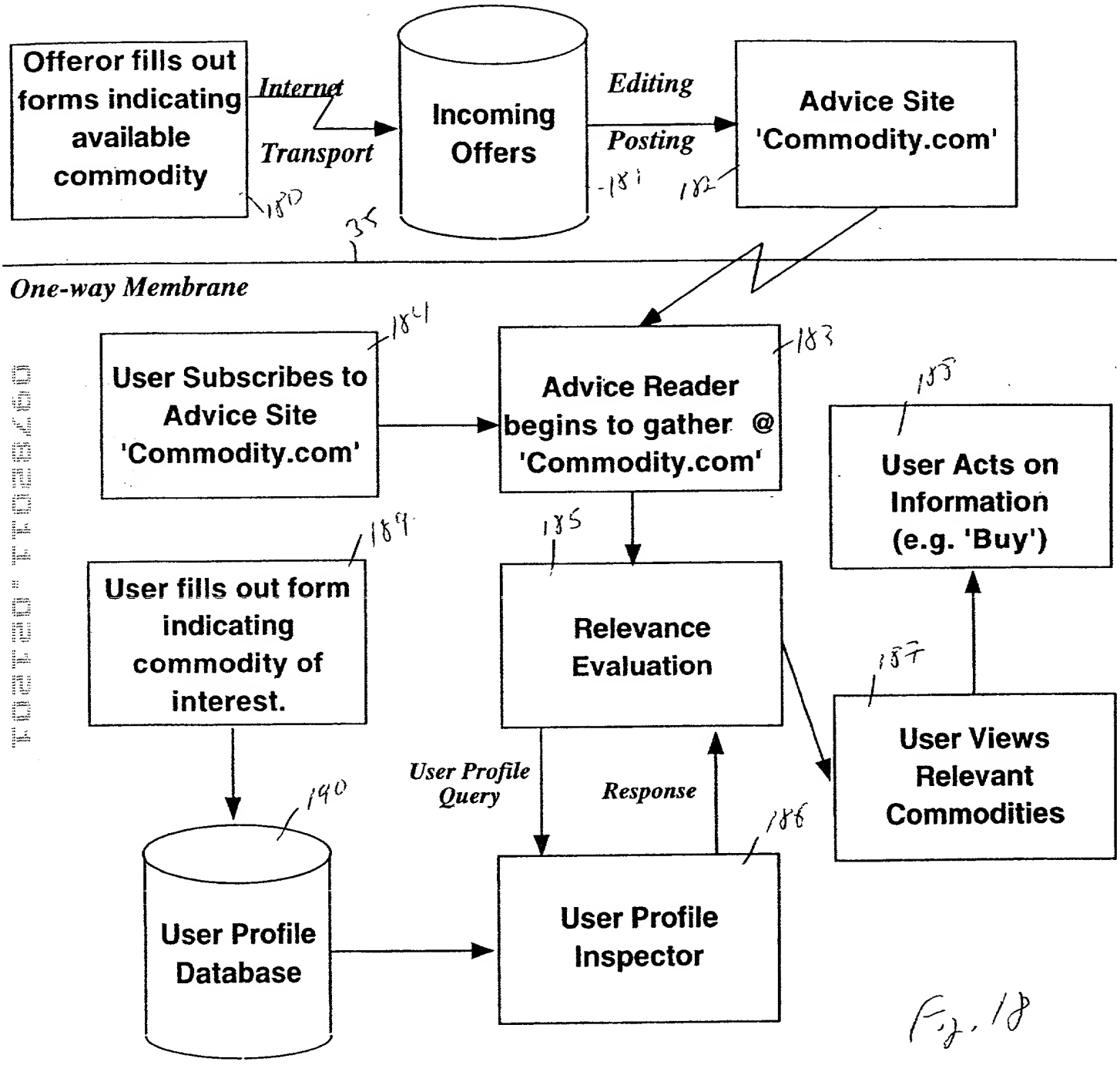

Offeror fills out forms indicating available commodity
Internet
Transport
Incoming Offers
Editing
Posting
Advice Site 'Commodity.com'
180
181
182
35
One-way Membrane
User Subscribes to Advice Site 'Commodity.com'
184
Advice Reader begins to gather @ 'Commodity.com'
183
User Acts on Information (e.g. 'Buy')
185
User fills out form indicating commodity of interest.
189
Relevance Evaluation
187
User Views Relevant Commodities
User Profile Query
Response
186
User Profile Database
190
User Profile Inspector

Fig. 18

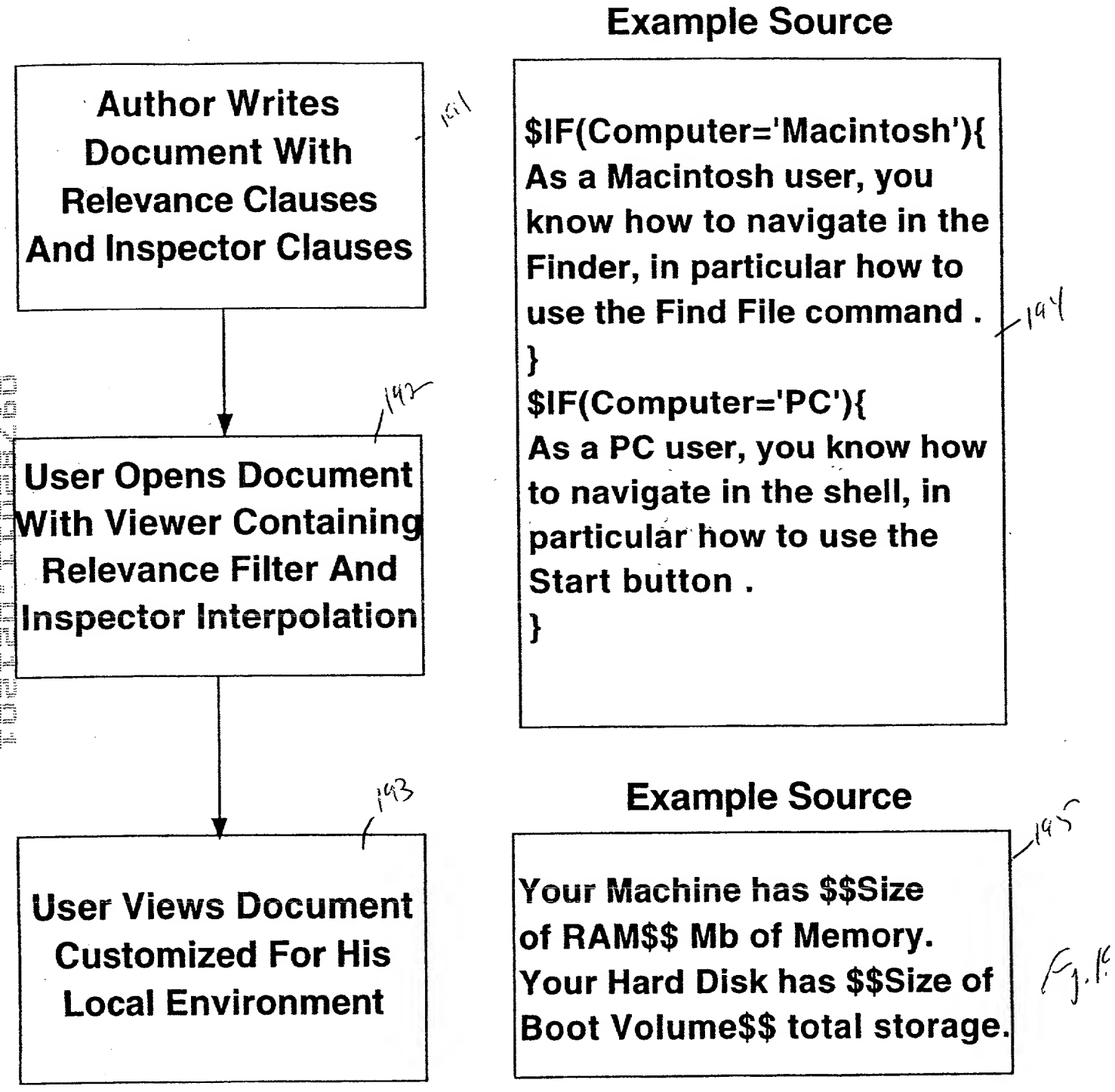

Author Writes Document With Relevance Clauses And Inspector Clauses
191
User Opens Document With Viewer Containing Relevance Filter And Inspector Interpolation
192
User Views Document Customized For His Local Environment
193
Example Source
$IF(Computer='Macintosh'){
As a Macintosh user, you know how to navigate in the Finder, in particular how to use the Find File command .
}
$IF(Computer='PC'){
As a PC user, you know how to navigate in the shell, in particular how to use the Start button .
}
194
Example Source
Your Machine has $$Size of RAM$$ Mb of Memory. Your Hard Disk has $$Size of Boot Volume$$ total storage.
195

Fig. 1

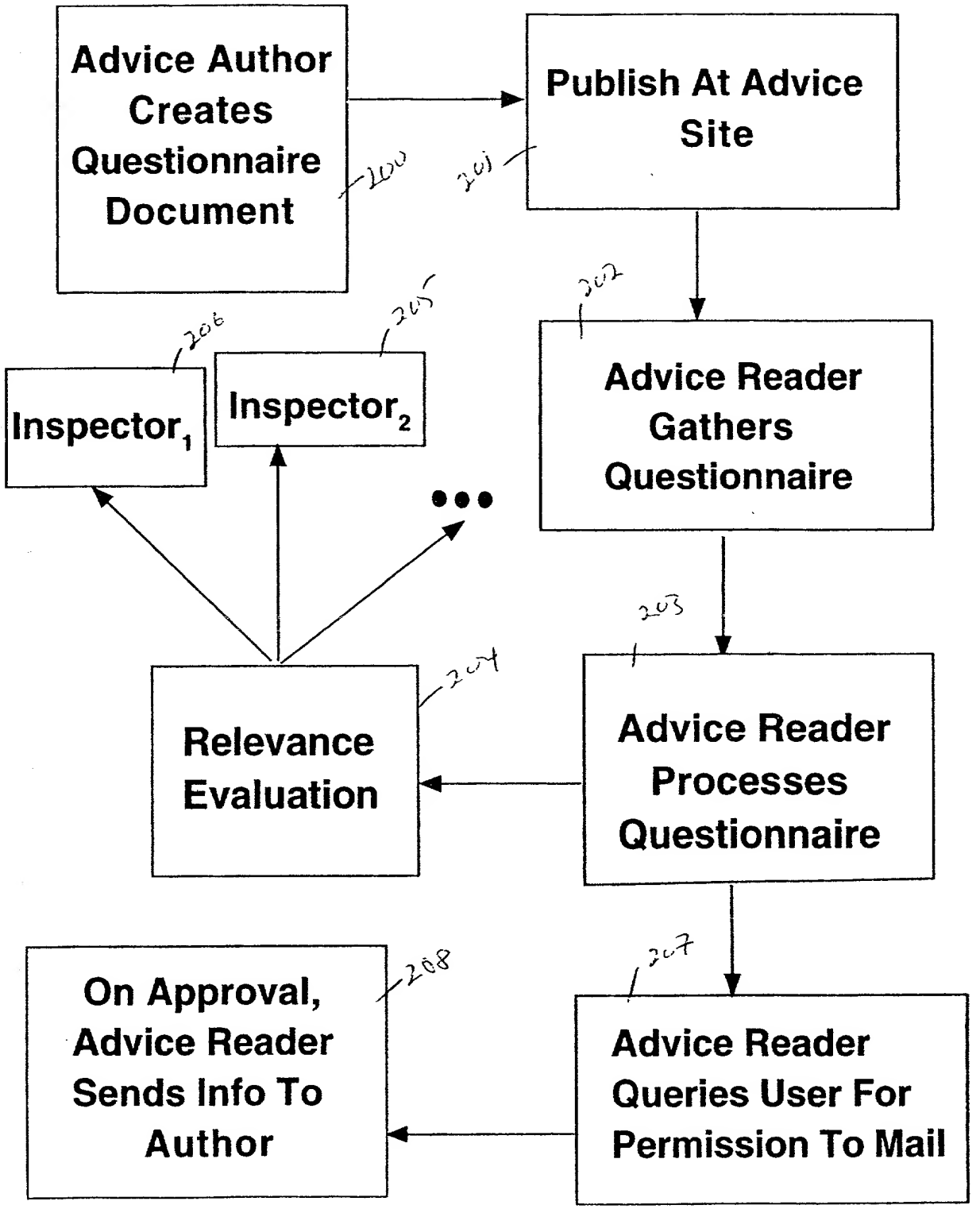

Advice Author Creates Questionnaire Document
200
Publish At Advice Site
201
Advice Reader Gathers Questionnaire
202
Inspector1
206
Inspector2
205
...
Advice Reader Processes Questionnaire
203
Relevance Evaluation
204
Advice Reader Queries User For Permission To Mail
207
On Approval, Advice Reader Sends Info To Author
208

Fig. 20

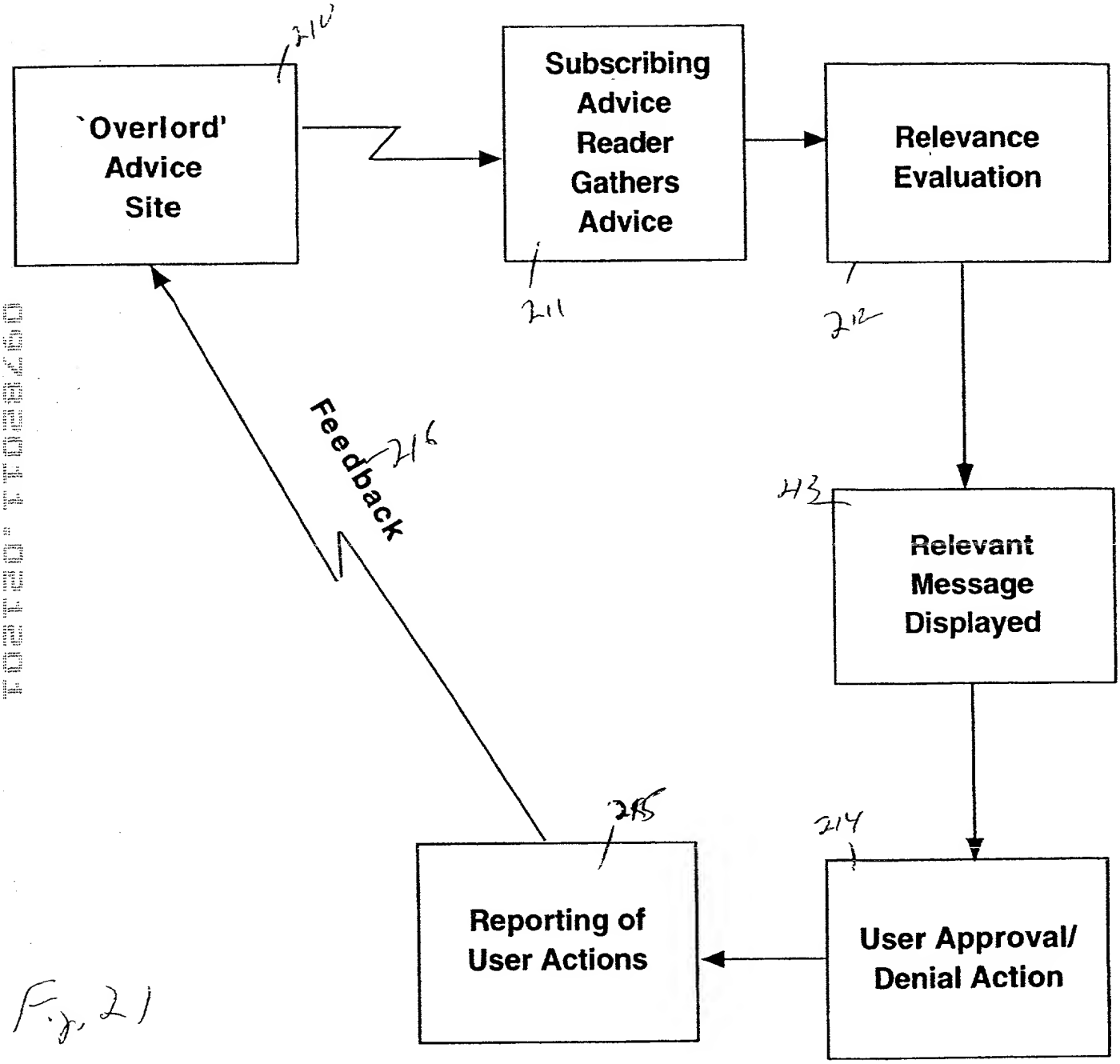

'Overlord' Advice Site
Subscribing Advice Reader Gathers Advice
Relevance Evaluation
Relevant Message Displayed
User Approval/ Denial Action
Reporting of User Actions
Feedback
210
211
212
213
214
215
216

Fig. 2

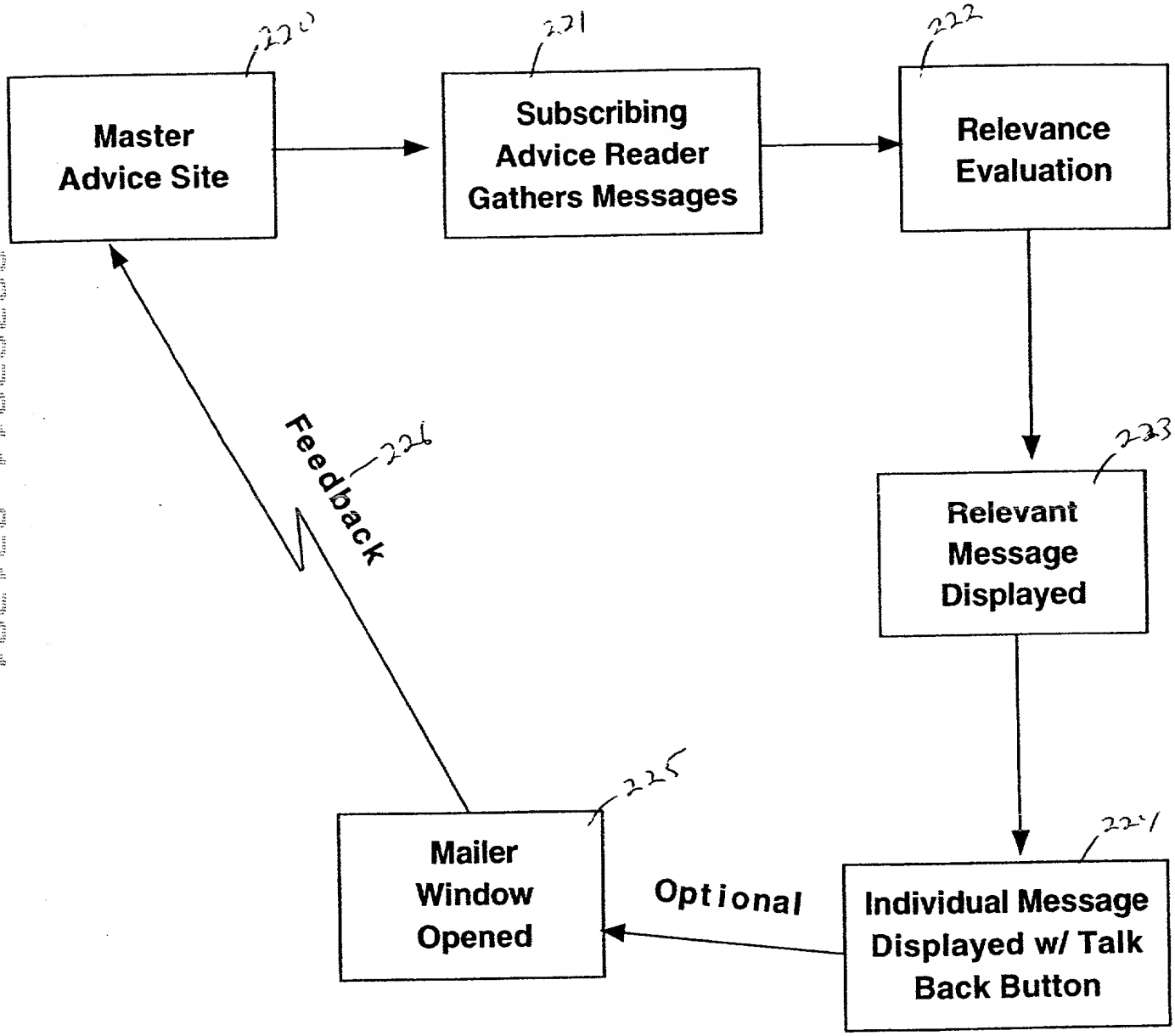

220
Master Advice Site
221
Subscribing Advice Reader Gathers Messages
222
Relevance Evaluation
223
Relevant Message Displayed
224
Individual Message Displayed w/ Talk Back Button
Optional
225
Mailer Window Opened
226
Feedback

Fig. 22

T0220 T02826

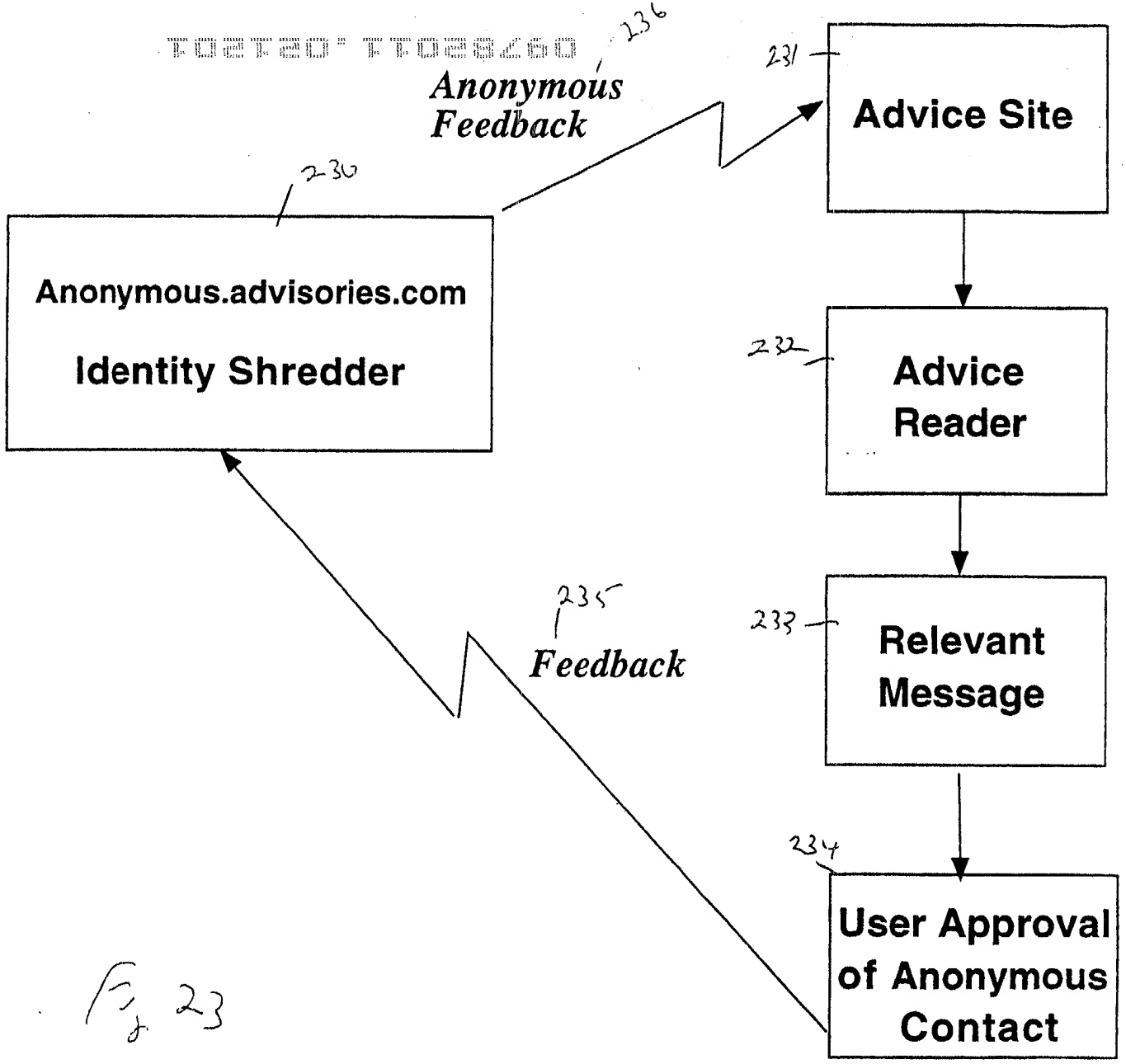


Fig 23

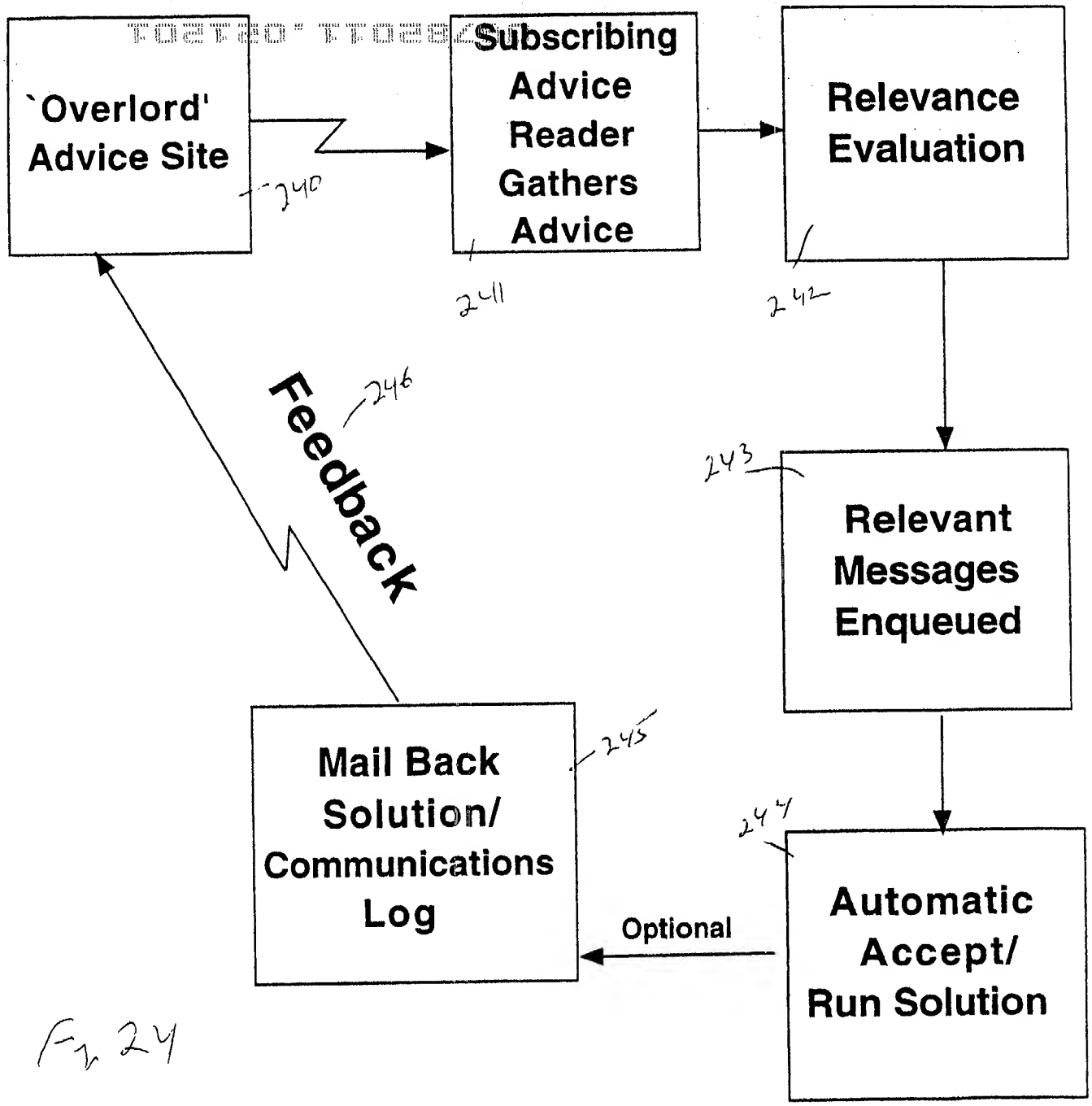
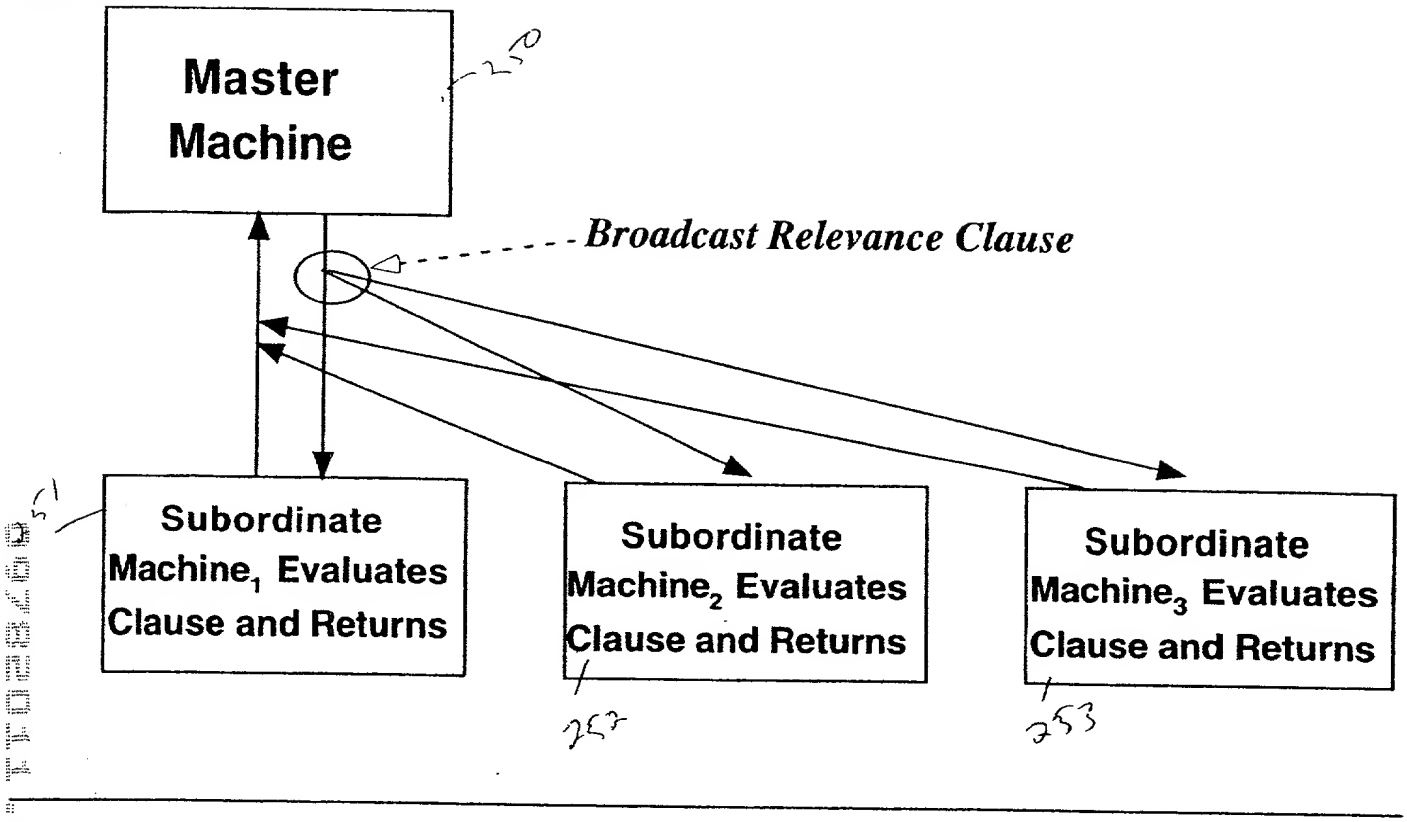

`Overlord' Advice Site
240
Subscribing Advice Reader Gathers Advice
241
Relevance Evaluation
242
Relevant Messages Enqueued
243
Automatic Accept/ Run Solution
244
Optional
Mail Back Solution/ Communications Log
245
Feedback
246

Fig. 24


Master Machine
250
Broadcast Relevance Clause
Subordinate Machine$_1$ Evaluates Clause and Returns
Subordinate Machine$_2$ Evaluates Clause and Returns
Subordinate Machine$_3$ Evaluates Clause and Returns
251
257
253

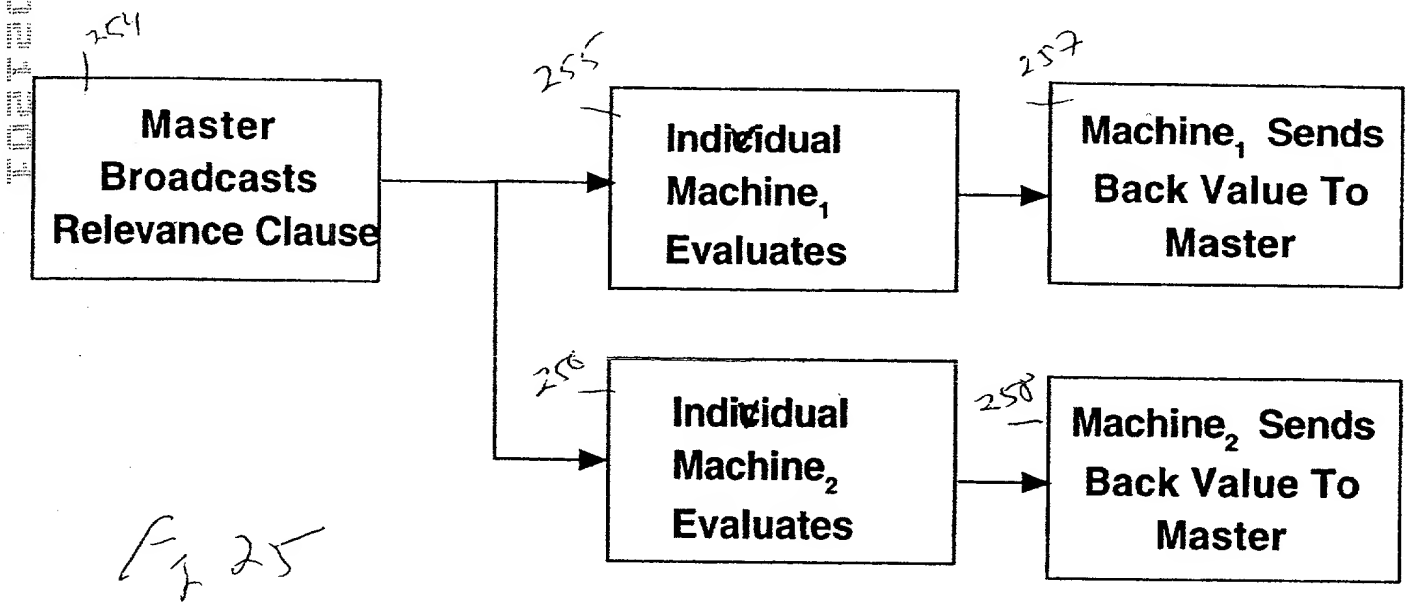

254
Master Broadcasts Relevance Clause
255
Individual Machine$_1$ Evaluates
257
Machine$_1$ Sends Back Value To Master
256
Individual Machine$_2$ Evaluates
258
Machine$_2$ Sends Back Value To Master

Fig 25